

Scaled data based on original data using  
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact  
Fluorescent Lamps

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: SHAPER

Report Number: 253P302

Luminaire Tested: **507-CFL/1/26-120V**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-66-11  
Report Number: 253P302  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 507-CFL/1/26-120V  
Description: SHAPER CLASSIC WALL LUMINAIRE GLASS SCONCE  
Light Source: ONE - CF26TTT/E/IN841 - 1800 LUMENS - 26 WATTS  
PRORATED FROM 42W at 3200LMS - TEST NO 253P302  
Ballast/Driver: -

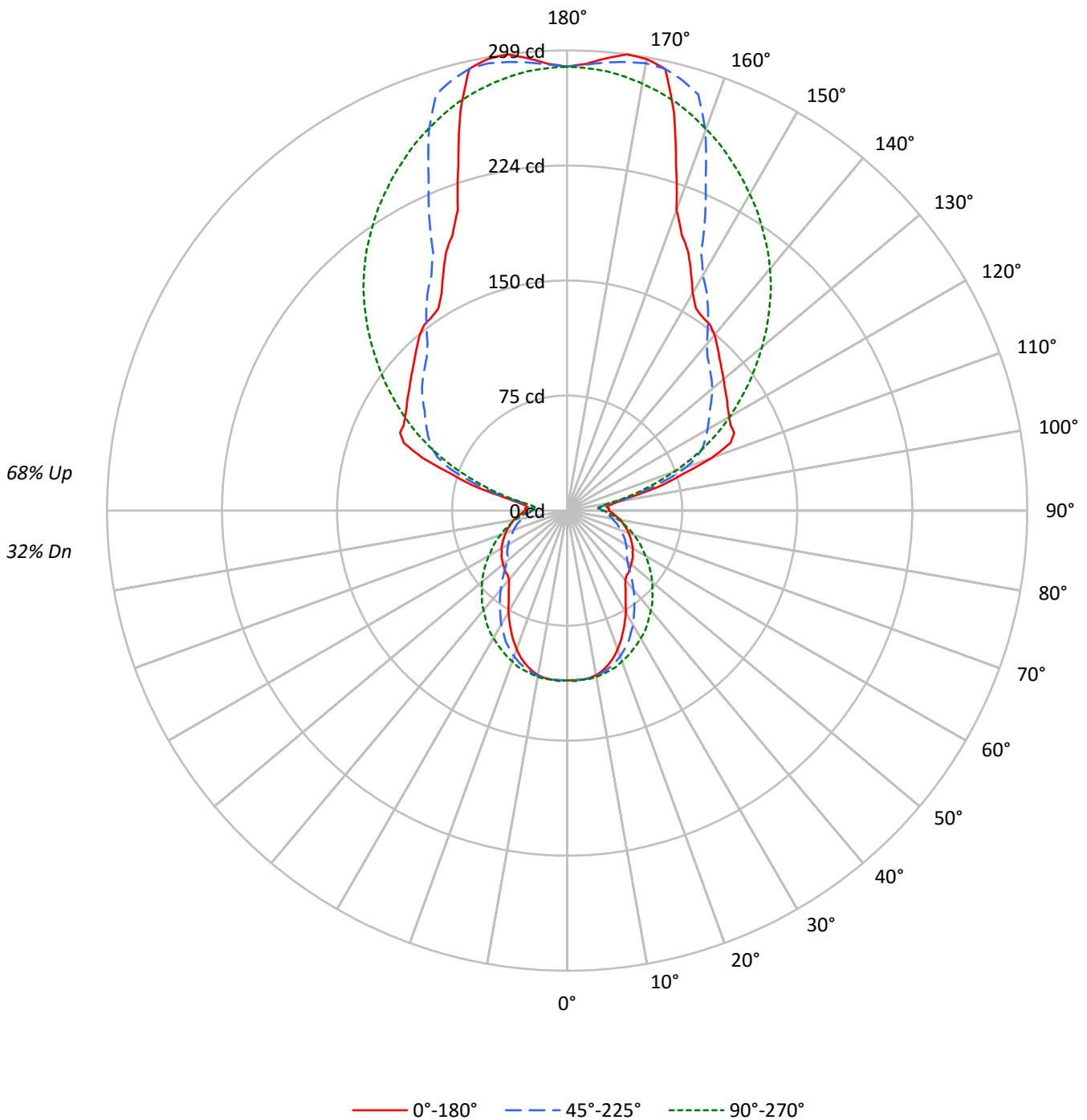
**Summary**

Lumens per Lamp: 1800 (1 lamp)  
Luminaire Lumens: 1065.0 lumens  
Efficiency: 59.2%  
Efficacy: 41.0 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.29 / 1.25  
Luminous Opening: Rectangular w/ Sides (W: 1.12' x L: 0.71' x H: 0.42')  
CIE Type: Semi-Indirect

Input Watts (W): 26  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	61	61	61	61	55	55	55	55	43	43	43	33	33	33	24	24	24	19
1	55	52	49	47	49	47	45	43	37	35	34	28	27	26	20	19	18	15
2	50	45	41	38	44	41	37	35	32	30	28	24	23	21	17	16	15	12
3	45	39	35	31	40	35	32	29	28	25	23	21	19	18	15	14	13	10
4	41	35	30	26	37	31	27	24	25	22	19	19	17	15	13	12	11	8
5	38	31	26	22	34	28	24	20	22	19	17	17	15	13	12	10	9	7
6	35	28	23	19	31	25	21	18	20	17	14	15	13	11	11	9	8	6
7	32	25	20	17	29	22	18	15	18	15	13	14	12	10	10	8	7	5
8	30	22	18	15	27	20	16	14	16	13	11	13	10	9	9	8	6	5
9	28	20	16	13	25	19	15	12	15	12	10	11	9	8	8	7	6	4
10	26	19	14	12	23	17	13	11	14	11	9	11	9	7	8	6	5	4

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1490	1490	1490
5°	1422	1412	1449
10°	1350	1338	1414
15°	1252	1252	1368
20°	1134	1162	1320
25°	1008	1066	1273
30°	887	961	1231
35°	772	852	1188
40°	694	755	1138
45°	681	663	1093
50°	671	593	1053
55°	667	570	1009
60°	660	549	968
65°	649	533	937
70°	643	511	898
75°	630	497	872
80°	633	477	858
85°	618	466	847



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	10.5	1.0	0.6
10°-20°	29.8	2.8	1.7
20°-30°	43.1	4.0	2.4
30°-40°	48.6	4.6	2.7
40°-50°	49.1	4.6	2.7
50°-60°	48.0	4.5	2.7
60°-70°	44.6	4.2	2.5
70°-80°	38.5	3.6	2.1
80°-90°	30.6	2.9	1.7
90°-100°	26.3	2.5	1.5
100°-110°	58.8	5.5	3.3
110°-120°	98.6	9.3	5.5
120°-130°	107.8	10.1	6.0
130°-140°	111.5	10.5	6.2
140°-150°	111.7	10.5	6.2
150°-160°	101.8	9.6	5.7
160°-170°	77.9	7.3	4.3
170°-180°	27.9	2.6	1.5
0°-30°	83.3	7.8	4.6
0°-40°	131.9	12.4	7.3
0°-60°	229.0	21.5	12.7
0°-90°	342.7	32.2	19.0
90°-120°	183.8	17.3	10.2
90°-150°	514.8	48.3	28.6
90°-180°	722.0	67.8	40.1
0°-180°	1065.0	100.0	59.2

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	110	110	110	110	110	
5°	110	110	110	110	110	10
15°	104	104	106	108	108	29
25°	86	88	94	99	100	40
35°	66	68	76	87	91	42
45°	57	55	58	73	78	44
55°	52	50	48	58	66	46
65°	46	44	41	46	53	46
75°	39	38	34	36	40	41
85°	31	30	26	26	29	26
90°	27	26	22	22	24	15
95°	26	25	21	20	20	23
105°	64	61	55	49	50	67
115°	120	113	97	84	99	115
125°	127	123	113	109	144	114
135°	140	139	131	141	186	109
145°	153	152	160	214	222	97
155°	186	188	212	265	251	85
165°	268	278	290	284	274	73
175°	295	295	292	288	287	28
180°	288	288	288	288	288	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	110.3	110.3	110.3	110.3	110.3
2.5°	110.3	110.3	110.3	110.9	110.9
5°	110.3	110.3	110.3	110.3	110.3
7.5°	109.8	109.8	109.8	110.3	110.3
10°	108.6	108.6	109.2	109.2	109.8
12.5°	106.4	106.4	107.5	108.6	108.6
15°	103.6	104.2	105.8	107.5	107.5
17.5°	100.2	101.4	103.6	105.8	106.4
20°	95.8	97.4	100.8	103.6	104.2
22.5°	91.3	93.0	97.4	101.9	102.5
25°	86.2	87.9	94.1	99.1	100.2
27.5°	81.2	82.9	89.6	96.9	98.0
30°	76.2	78.4	85.7	94.1	95.8
32.5°	70.6	73.4	80.6	90.7	93.5
35°	66.1	68.3	76.2	87.4	90.7
37.5°	62.2	63.8	71.7	84.0	87.4
40°	58.8	59.9	67.2	80.6	84.6
42.5°	57.1	56.6	62.7	76.7	81.8
45°	56.6	54.9	58.2	72.8	78.4
47.5°	55.4	53.8	54.3	68.9	75.0
50°	54.3	52.6	51.0	65.0	72.2
52.5°	53.2	51.5	48.7	61.0	68.9
55°	52.1	50.4	47.6	57.7	65.5
57.5°	50.4	48.7	45.9	54.3	62.2
60°	49.3	47.6	44.2	51.5	58.8
62.5°	47.6	45.9	42.6	48.7	55.4
65°	45.9	44.2	40.9	45.9	52.6
67.5°	44.2	42.6	38.6	43.1	49.3
70°	42.6	40.9	37.0	40.9	45.9
72.5°	40.9	39.2	35.3	38.1	43.1
75°	38.6	37.5	33.6	35.8	39.8
77.5°	37.0	35.3	31.4	33.0	37.0
80°	35.3	33.6	29.7	30.8	34.2
82.5°	33.0	31.9	28.0	28.6	31.4
85°	30.8	29.7	26.3	26.3	28.6
87.5°	29.1	28.0	24.1	24.1	26.3
90°	26.9	25.8	22.4	21.8	23.5
92.5°	27.4	26.3	21.8	20.2	20.7
95°	25.8	24.6	21.3	19.6	20.2
97.5°	28.0	26.9	23.5	21.8	22.4
100°	33.6	33.0	29.7	27.4	28.0
102.5°	45.4	45.4	42.0	37.5	38.6
105°	63.8	61.0	55.4	49.3	49.8
107.5°	78.4	76.7	69.4	59.9	61.6
110°	99.7	95.2	82.3	69.4	73.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	114.8	108.6	91.3	77.3	86.8
115°	119.8	113.1	97.4	84.0	99.1
117.5°	119.8	115.4	101.4	90.2	110.9
120°	121.5	118.2	105.3	96.3	122.1
122.5°	123.8	120.4	109.2	102.5	132.7
125°	126.6	122.6	113.1	109.2	143.9
127.5°	129.4	126.0	118.2	115.9	154.6
130°	132.7	129.9	123.2	123.8	165.2
132.5°	136.1	133.8	127.1	131.6	175.8
135°	140.0	138.9	131.0	140.6	185.9
137.5°	144.5	143.9	135.0	156.2	196.0
140°	149.0	147.8	141.1	173.6	205.0
142.5°	152.3	149.5	150.1	192.6	213.9
145°	153.4	151.8	159.6	213.9	221.8
147.5°	155.7	157.9	168.6	232.4	230.2
150°	163.0	168.0	176.4	247.5	237.4
152.5°	174.2	178.6	188.7	257.6	244.7
155°	185.9	188.2	212.2	264.9	251.4
157.5°	194.3	196.0	235.2	271.6	258.2
160°	207.8	222.3	262.6	276.6	263.8
162.5°	235.2	247.5	283.4	280.6	269.4
165°	268.2	278.3	289.5	283.9	274.4
167.5°	294.0	295.1	294.0	286.2	278.3
170°	297.9	298.5	295.1	287.3	281.7
172.5°	299.0	298.5	294.0	287.8	284.5
175°	295.1	295.1	292.3	288.4	286.7
177.5°	290.6	291.2	290.1	288.4	287.8
180°	288.4	288.4	288.4	288.4	288.4

(END OF REPORT)